AD-A177 838 VORTEX LOOP DYNAMICS: A PHENOMENOLOGICAL MODEL FOR TURBULENT BOUNDARY LAY (U) NOTRE DAME UNIV IN DEPT OF AEROSPACE AND MECHANICAL ENGINEERI... 2/2

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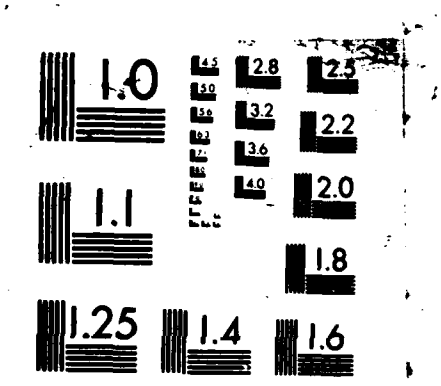


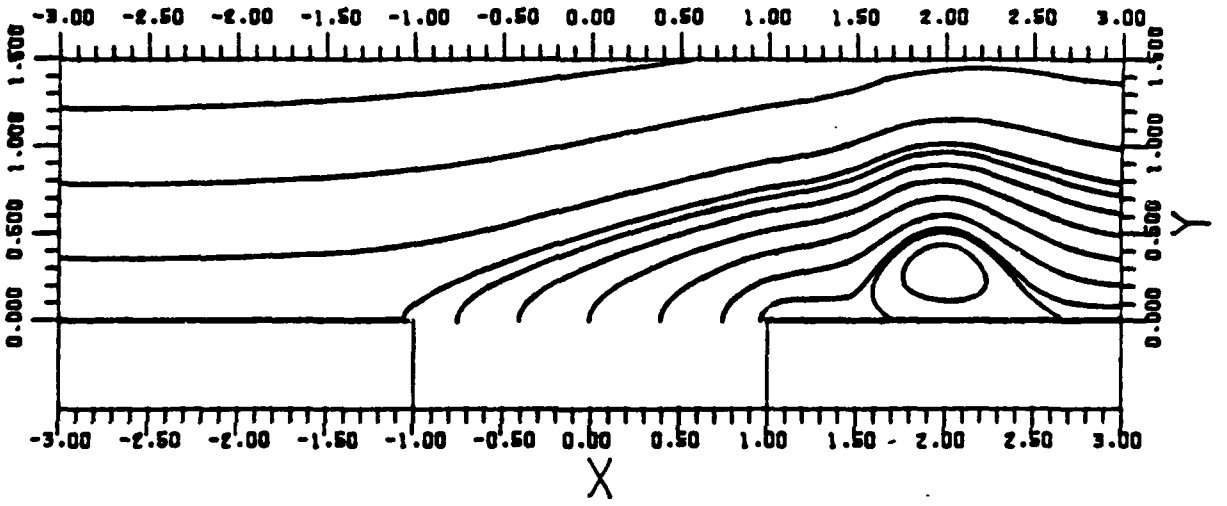
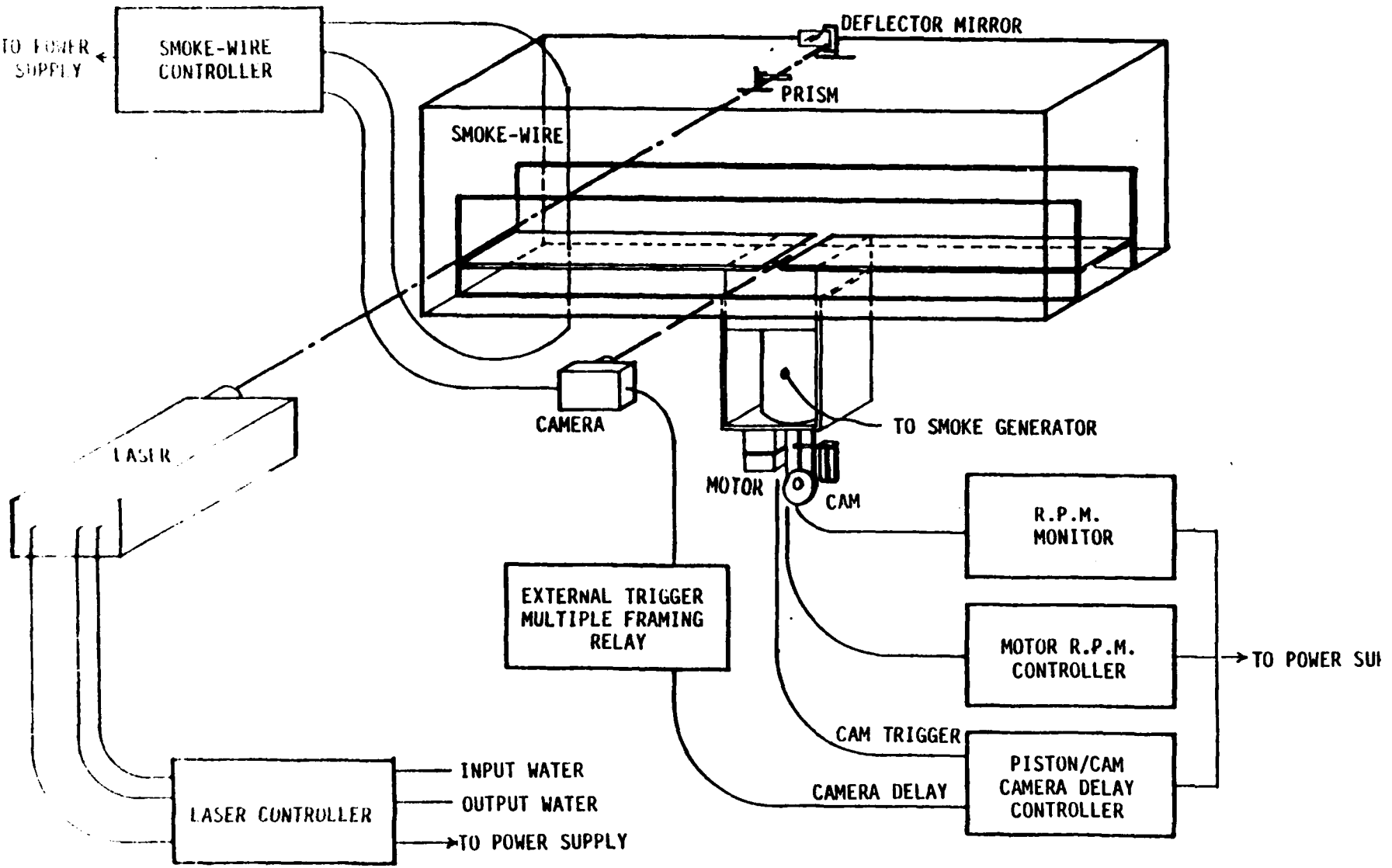


Figure 30. Navier-Stokes streamlines in physical plane for $\beta = 0.25$, $t = 11.9$


TO POWER SUPPLY
SMOKE-WIRE CONTROLLER
DEFLECTOR MIRROR
PRISM
SMOKE-WIRE
CAMERA
TO SMOKE GENERATOR
LASER
MOTOR
CAM
R.P.M. MONITOR
EXTERNAL TRIGGER MULTIPLE FRAMING RELAY
MOTOR R.P.M. CONTROLLER
TO POWER SUI
CAM TRIGGER
PISTON/CAM CAMERA DELAY CONTROLLER
CAMERA DELAY
LASER CONTROLLER
INPUT WATER
OUTPUT WATER
TO POWER SUPPLY

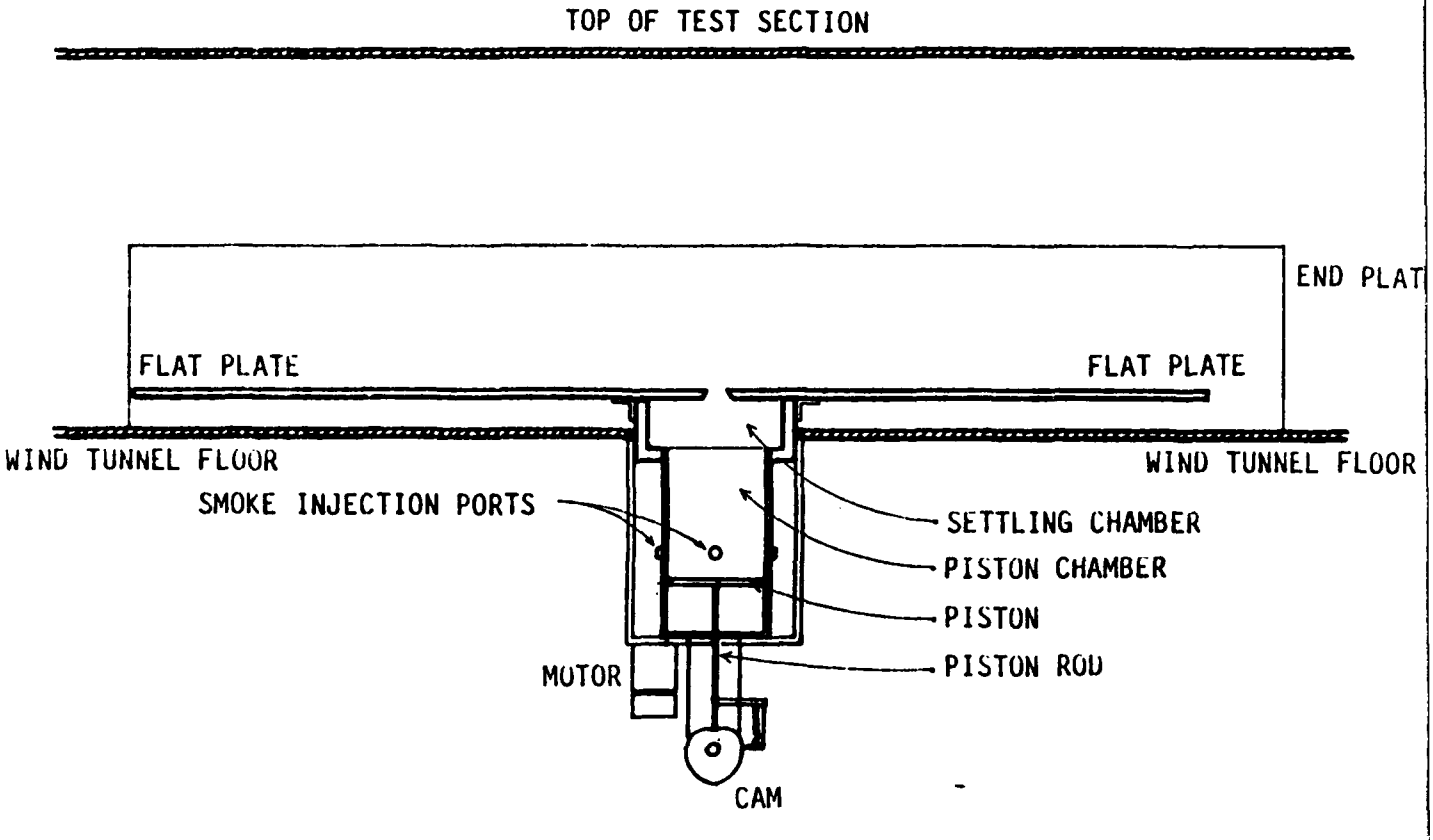


Figure 32 Cross-sectional view of jet producing mechanism.

Figure 33 (a). Experimental development of jet-in-crossflow for $\beta = 0.25$ at $t = 0$.

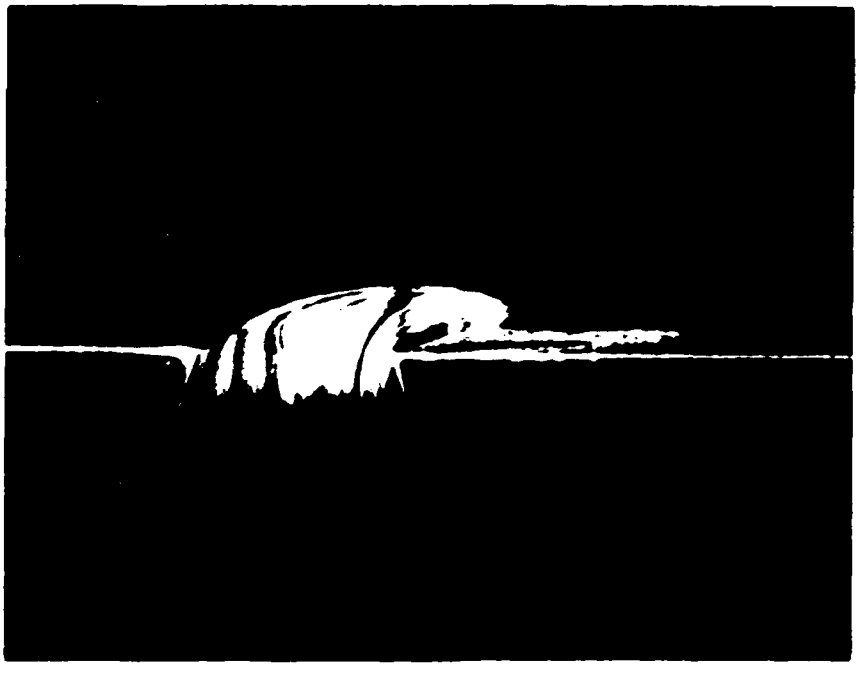


Figure 3[illegible] = 0.25 at

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